

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**

[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1951:										
Total, all agencies .....	1,521,527	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Agriculture .....	55,076	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce .....	45,995	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Defense .....	1,123,636	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	38,941	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	30,442	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation <sup>1</sup> .....	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Veterans Affairs .....	5,071	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atomic Energy Commission .....	157,901	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	45,428	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Science Foundation .....	151	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other agencies .....	18,886	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fiscal year 1952:										
Total, all agencies .....	1,909,665	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Agriculture .....	55,291	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce .....	27,684	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Defense .....	1,506,540	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	44,607	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	30,709	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation <sup>1</sup> .....	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Veterans Affairs .....	3,872	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atomic Energy Commission .....	168,844	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	50,536	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Science Foundation .....	1,244	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other agencies .....	20,338	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fiscal year 1953:										
Total, all agencies .....	1,919,543	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Agriculture .....	56,045	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce .....	23,045	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Defense .....	1,476,774	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	51,017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	32,113	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation <sup>1</sup> .....	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Veterans Affairs .....	5,091	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atomic Energy Commission .....	204,404	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	48,393	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Science Foundation .....	2,495	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other agencies .....	20,166	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fiscal year 1954:										
Total, all agencies .....	1,761,840	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Agriculture .....	59,459	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce .....	16,920	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Defense .....	1,282,936	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	59,745	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	38,832	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation <sup>1</sup> .....	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Veterans Affairs .....	5,343	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atomic Energy Commission .....	229,552	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	47,358	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Science Foundation .....	4,552	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other agencies .....	17,143	NA	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1955:										
Total, all agencies	2,044,593	950,168	636,461	134,622	139,955	135,317	26,163	18,558	3,349	NA
Department of Agriculture	72,176	51,441	763	0	19,865	0	92	0	15	NA
Department of Commerce	14,996	8,678	6,167	0	109	0	42	0	0	NA
Department of Defense	1,528,689	762,146	579,017	40,169	67,394	58,825	13,194	7,708	236	NA
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	68,049	32,587	0	0	27,234	0	8,048	0	180	NA
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	34,527	30,449	201	0	663	0	348	0	2,866	NA
Dept of Transportation <sup>1</sup>	0	0	0	0	0	0	0	0	0	NA
Dept of Veterans Affairs	5,575	4,864	0	0	658	0	53	0	0	NA
Atomic Energy Commission	253,406	8,302	45,172	94,453	15,459	75,542	3,614	10,850	14	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	43,030	42,288	0	0	589	0	153	0	0	NA
Nat'l Science Foundation	9,654	1,947	0	0	7,055	0	614	0	38	NA
Other agencies	14,491	7,466	5,141	0	929	950	5	0	0	NA
Fiscal year 1956:										
Total, all agencies	2,988,203	1,040,504	1,246,384	332,782	175,870	145,648	30,805	9,018	7,192	NA
Department of Agriculture	83,038	57,242	616	0	25,022	0	157	0	1	NA
Department of Commerce	18,210	11,874	5,745	0	500	0	69	22	0	NA
Department of Defense	2,268,547	825,500	1,157,675	127,450	82,629	51,477	13,278	8,996	1,542	NA
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	85,976	43,614	135	0	30,627	0	11,087	0	513	NA
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	36,110	31,432	290	0	930	2	150	0	3,306	NA
Dept of Transportation <sup>1</sup>	0	0	0	0	0	0	0	0	0	NA
Dept of Veterans Affairs	6,471	5,634	0	0	677	0	160	0	0	NA
Atomic Energy Commission	410,727	7,404	78,600	205,182	22,431	93,219	3,891	0	0	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	49,524	48,774	0	0	610	0	140	0	0	NA
Nat'l Science Foundation	15,989	2,357	0	150	10,912	950	1,617	0	3	NA
Other agencies	13,611	6,673	3,323	0	1,532	0	256	0	1,827	NA
Fiscal year 1957:										
Total, all agencies	3,932,001	1,220,436	1,837,714	407,043	223,643	167,997	48,796	12,937	13,435	NA
Department of Agriculture	99,794	68,424	1,023	0	30,238	0	109	0	0	NA
Department of Commerce	17,696	14,331	2,609	0	480	0	223	0	53	NA
Department of Defense	2,985,555	959,200	1,715,267	141,200	83,475	58,167	13,609	12,937	1,700	NA
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	144,213	52,466	1,500	0	64,428	0	23,871	0	1,948	NA
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	45,207	37,328	387	0	1,157	0	182	0	6,153	NA
Dept of Transportation <sup>1</sup>	0	0	0	0	0	0	0	0	0	NA
Dept of Veterans Affairs	7,707	6,773	0	0	535	0	399	0	0	NA
Atomic Energy Commission	528,043	8,828	112,443	265,843	24,640	109,830	6,264	0	195	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	55,260	54,533	0	0	560	0	167	0	0	NA
Nat'l Science Foundation	30,649	9,501	91	0	17,832	0	3,215	0	10	NA
Other agencies	17,877	9,052	4,394	0	298	0	757	0	3,376	NA
Fiscal year 1958:										
Total, all agencies	4,459,480	1,295,576	2,282,832	323,718	256,931	208,609	62,345	14,807	14,662	NA
Department of Agriculture	0	0	0	0	0	0	0	0	0	NA
Department of Commerce	18,254	15,405	1,968	0	627	0	254	0	0	NA
Department of Defense	3,403,278	1,057,100	2,087,153	53,500	118,207	49,682	20,329	14,807	2,500	NA
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	184,870	65,088	6,855	0	78,909	0	29,961	0	4,057	NA
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	51,119	42,710	748	0	924	0	916	0	5,821	NA
Dept of Transportation <sup>1</sup>	16,312	4,897	11,166	0	165	0	84	0	0	NA
Dept of Veterans Affairs	9,976	9,040	0	0	459	0	477	0	0	NA
Atomic Energy Commission	644,003	7,449	165,899	270,218	35,273	158,927	5,910	0	327	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	77,058	76,648	0	0	365	0	45	0	0	NA
Nat'l Science Foundation	33,584	8,890	42	0	21,289	0	3,363	0	0	NA
Other agencies	21,026	8,349	9,001	0	713	0	1,006	0	1,957	NA

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[Dollars in thousands]

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Fiscal year 1959:										
Total, all agencies .....	6,693,510	1,639,134	3,832,921	417,515	363,637	271,598	86,288	20,647	15,984	45,786
Department of Agriculture .....	120,697	85,695	603	0	32,105	0	242	0	0	2,052
Department of Commerce .....	25,589	19,908	3,685	0	793	0	1,203	0	0	0
Department of Defense .....	5,161,674	1,176,862	3,582,202	118,719	123,880	72,263	30,970	20,647	0	36,131
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	242,828	76,248	8,256	0	110,001	0	39,338	0	5,828	3,157
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	60,573	50,518	1,030	0	787	0	909	0	7,329	0
Dept of Transportation <sup>1</sup> .....	27,255	4,906	21,804	0	545	0	0	0	0	0
Dept of Veterans Affairs .....	12,815	11,803	0	0	512	0	500	0	0	0
Atomic Energy Commission .....	699,756	9,797	150,447	298,796	34,288	195,932	6,298	0	2,099	2,099
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	261,671	186,833	60,969	0	10,205	2,617	1,047	0	0	0
Nat'l Science Foundation .....	60,418	6,042	0	0	47,911	786	5,558	0	0	121
Other agencies .....	20,234	10,522	3,925	0	2,610	0	223	0	728	2,226
Fiscal year 1960:										
Total, all agencies .....	7,551,746	1,723,071	4,356,843	476,784	459,055	323,748	116,530	23,205	13,282	59,228
Department of Agriculture .....	125,759	89,666	0	0	31,691	0	629	0	0	3,521
Department of Commerce .....	31,396	24,804	5,306	0	910	0	188	0	94	94
Department of Defense .....	5,711,532	1,227,978	3,986,649	159,935	154,211	79,961	34,269	22,837	0	45,692
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	319,778	81,543	11,833	0	157,970	0	57,560	0	5,756	5,116
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	63,991	53,944	1,216	0	1,472	0	448	0	6,911	0
Dept of Transportation <sup>1</sup> .....	47,902	7,425	39,088	0	287	0	1,102	0	0	0
Dept of Veterans Affairs .....	15,087	14,091	106	0	498	0	392	0	0	0
Atomic Energy Commission .....	761,657	10,663	157,663	316,849	39,606	225,450	9,140	0	0	2,286
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	369,278	197,564	140,326	0	10,340	16,618	4,062	368	0	0
Nat'l Science Foundation .....	74,720	4,483	0	0	59,925	1,719	8,219	0	0	374
Other agencies .....	30,646	10,910	14,656	0	2,145	0	521	0	521	2,145
Fiscal year 1961:										
Total, all agencies .....	9,058,623	1,878,239	5,435,259	454,556	584,585	408,792	146,896	73,429	15,660	61,207
Department of Agriculture .....	143,443	103,854	430	0	32,848	143	430	0	0	5,738
Department of Commerce .....	32,334	29,004	2,005	0	808	0	420	0	0	97
Department of Defense .....	6,574,029	1,334,528	4,647,838	118,333	190,647	124,907	46,018	72,314	0	39,444
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	428,525	97,275	15,855	0	220,690	0	76,277	0	8,572	9,856
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	73,302	62,233	1,173	0	2,200	0	586	0	7,037	73
Dept of Transportation <sup>1</sup> .....	48,237	16,594	30,003	0	675	0	338	338	0	289
Dept of Veterans Affairs .....	22,015	20,959	88	0	484	0	484	0	0	0
Atomic Energy Commission .....	850,157	19,554	184,484	331,561	49,309	255,047	6,801	0	51	3,350
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	776,920	179,469	541,513	4,662	17,869	26,415	6,215	777	0	0
Nat'l Science Foundation .....	83,983	4,703	84	0	68,362	2,100	8,146	0	0	588
Other agencies .....	25,678	10,066	11,786	0	693	180	1,181	0	0	1,772
Fiscal year 1962:										
Total, all agencies .....	10,289,947	2,096,340	6,135,919	425,766	762,577	507,949	174,663	112,322	15,826	58,585
Department of Agriculture .....	157,167	108,602	314	0	38,506	0	472	0	0	9,273
Department of Commerce .....	40,101	32,201	5,133	0	1,604	0	401	80	80	602
Department of Defense .....	6,722,867	1,465,585	4,632,055	107,566	208,409	134,457	47,061	107,566	1	20,167
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	576,936	121,157	23,077	0	309,815	0	95,771	0	8,654	18,462
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	85,645	67,916	6,423	0	2,826	0	771	428	7,023	258
Dept of Transportation <sup>1</sup> .....	66,228	18,411	44,108	0	729	0	0	2,715	66	199
Dept of Veterans Affairs .....	27,456	26,495	110	0	439	0	412	0	0	0
Atomic Energy Commission .....	1,029,195	19,555	324,196	310,817	54,547	308,757	8,234	0	2	3,087
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	1,439,208	213,003	1,096,676	7,196	53,251	61,886	5,757	1,439	0	0
Nat'l Science Foundation .....	113,943	6,723	114	0	89,331	2,849	13,787	0	0	1,139
Other agencies .....	31,201	16,692	3,713	187	3,120	0	1,997	94	0	5,398

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Fiscal year 1963:										
Total, all agencies .....	12,494,611	2,278,990	7,876,693	413,799	899,529	545,755	245,160	150,906	24,463	59,316
Department of Agriculture .....	168,038	117,692	926	0	40,586	0	983	0	35	7,816
Department of Commerce .....	52,246	39,201	8,561	0	2,780	22	573	15	109	985
Department of Defense .....	7,285,659	1,434,596	5,172,789	64,646	237,464	130,830	84,770	141,122	333	19,109
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	656,158	131,790	21,497	0	350,355	0	115,667	0	16,520	20,329
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	92,122	72,310	6,527	700	3,669	0	1,638	0	6,778	500
Dept of Transportation <sup>1</sup> .....	83,478	27,028	51,292	0	775	111	318	3,917	37	0
Dept of Veterans Affairs .....	29,868	29,016	280	0	355	0	217	0	0	0
Atomic Energy Commission .....	1,077,942	13,655	316,558	333,530	67,369	332,248	10,383	3,194	225	780
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	2,857,423	381,349	2,292,302	14,569	78,170	76,100	12,140	2,428	0	365
Nat'l Science Foundation .....	154,123	11,682	1,594	0	115,256	6,444	17,289	0	283	1,575
Other agencies .....	37,554	20,671	4,367	354	2,750	0	1,182	230	143	7,857
Fiscal year 1964:										
Total, all agencies .....	14,225,354	2,837,947	8,693,011	443,209	1,077,338	586,867	308,196	177,683	40,178	60,925
Department of Agriculture .....	189,034	130,155	1,083	0	48,559	0	1,556	0	0	7,681
Department of Commerce .....	53,828	42,498	6,027	0	2,895	0	1,328	58	0	1,022
Department of Defense .....	7,261,867	1,614,867	4,880,261	51,812	292,019	137,164	117,585	141,404	286	26,469
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	776,947	149,787	26,438	0	418,609	0	139,502	0	19,795	22,816
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	106,437	73,345	13,992	740	5,522	0	1,698	0	10,726	414
Dept of Transportation <sup>1</sup> .....	62,786	26,351	35,607	0	587	0	241	0	0	0
Dept of Veterans Affairs .....	33,742	32,882	362	0	325	0	173	0	0	0
Atomic Energy Commission .....	1,235,979	21,461	349,658	389,896	69,354	358,783	10,794	35,002	211	820
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	4,286,550	705,703	3,368,003	761	105,612	81,820	14,252	949	8,968	482
Nat'l Science Foundation .....	170,229	13,422	2,127	0	127,421	9,100	17,527	0	47	585
Other agencies .....	47,955	27,476	9,453	0	6,435	0	3,540	270	145	636
Fiscal year 1965:										
Total, all agencies .....	14,614,249	3,092,635	8,656,919	401,189	1,193,838	609,182	351,904	197,860	45,412	65,310
Department of Agriculture .....	224,552	152,730	2,471	0	58,362	0	2,095	0	0	8,894
Department of Commerce .....	61,339	45,484	10,664	0	3,652	0	511	8	329	691
Department of Defense .....	6,796,540	1,647,436	4,362,408	17,947	291,002	145,910	139,806	158,777	35	33,219
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	869,354	161,415	29,786	0	472,574	1,788	156,074	0	27,898	19,819
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	113,173	81,505	11,270	1,005	9,839	0	1,332	0	7,931	291
Dept of Transportation <sup>1</sup> .....	64,408	31,045	31,227	20	355	0	786	900	0	75
Dept of Veterans Affairs .....	37,371	36,611	202	0	337	0	221	0	0	0
Atomic Energy Commission .....	1,240,664	30,920	342,507	381,091	74,367	364,967	9,068	36,618	270	856
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	4,951,522	863,109	3,852,137	990	124,140	84,548	16,665	1,158	8,134	641
Nat'l Science Foundation .....	187,150	13,686	1,875	0	142,077	11,969	16,902	0	129	512
Other agencies .....	68,176	28,694	12,372	136	17,133	0	8,444	399	686	312
Fiscal year 1966:										
Total, all agencies .....	15,320,334	3,219,691	9,027,049	359,069	1,350,738	643,232	394,293	196,616	75,995	53,651
Department of Agriculture .....	234,896	164,137	2,575	0	61,601	0	1,209	0	0	5,374
Department of Commerce .....	55,186	41,984	8,535	0	3,726	69	159	27	31	655
Department of Defense .....	7,023,647	1,719,945	4,556,488	13,149	295,293	144,711	122,488	148,591	963	22,019
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	1,014,399	181,665	36,452	0	534,414	3,225	181,421	5,707	50,184	21,331
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	143,203	93,922	12,448	2,161	19,655	0	1,832	0	12,784	401
Dept of Transportation <sup>1</sup> .....	171,746	39,385	127,714	5	1,661	0	1,354	1,498	108	21
Dept of Veterans Affairs .....	40,057	39,316	223	0	351	0	158	0	9	0
Atomic Energy Commission .....	1,212,377	19,930	324,717	342,372	82,227	391,614	9,768	39,373	168	2,208
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	5,050,006	872,127	3,926,799	1,382	133,218	88,276	20,384	1,128	6,241	451
Nat'l Science Foundation .....	243,669	13,333	2,851	0	187,437	15,314	23,227	0	972	535
Other agencies .....	131,148	33,947	28,247	0	31,155	23	32,293	292	4,535	656

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1967:										
Total, all agencies .....	16,529,099	3,395,669	9,877,773	384,669	1,454,295	666,451	400,144	223,536	63,497	63,065
Department of Agriculture .....	252,642	174,531	1,313	0	64,225	0	2,177	0	0	10,396
Department of Commerce .....	74,836	48,710	13,520	0	5,996	0	1,042	0	4,583	985
Department of Defense .....	8,049,155	1,889,509	5,427,515	8,912	279,897	129,302	124,323	164,824	1,311	23,562
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	1,146,614	204,438	51,716	0	619,801	7,859	187,637	15,791	37,428	21,944
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	170,401	108,840	29,131	1,135	23,355	0	2,115	0	5,262	563
Dept of Transportation <sup>1</sup> .....	283,608	45,154	212,627	0	10,918	0	1,895	2,240	10,774	0
Dept of Veterans Affairs .....	40,894	40,192	351	0	336	0	15	0	0	0
Atomic Energy Commission .....	1,257,342	15,062	320,610	372,249	89,536	405,700	11,046	39,349	221	3,569
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	4,866,962	813,164	3,795,895	2,373	124,082	106,135	23,635	817	0	861
Nat'l Science Foundation .....	262,426	12,150	1,676	0	208,817	16,907	22,281	0	66	529
Other agencies .....	124,219	43,919	23,419	0	27,332	548	23,978	515	3,852	656
Fiscal year 1968:										
Total, all agencies .....	15,921,208	3,493,145	9,046,982	414,245	1,487,410	713,729	377,475	234,497	100,218	53,507
Department of Agriculture .....	253,540	182,287	757	0	61,115	0	1,206	0	42	8,133
Department of Commerce .....	83,900	54,770	12,761	0	7,401	0	4,357	25	4,049	537
Department of Defense .....	7,709,319	1,950,453	5,089,890	11,490	244,419	143,934	101,961	151,892	590	14,690
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	1,251,816	221,511	48,050	0	677,211	12,868	182,838	24,284	59,740	25,314
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	190,597	116,251	33,565	1,393	25,736	0	4,371	0	8,921	360
Dept of Transportation <sup>1</sup> .....	171,671	52,097	91,161	0	3,141	0	545	3,253	21,461	13
Dept of Veterans Affairs .....	44,658	43,682	342	0	358	0	45	0	231	0
Atomic Energy Commission .....	1,368,999	16,526	364,284	399,016	92,573	432,916	12,947	48,301	149	2,287
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	4,429,407	791,186	3,379,641	2,346	130,593	102,763	21,303	687	0	888
Nat'l Science Foundation .....	283,457	12,234	1,391	0	220,986	21,248	22,181	5,031	72	314
Other agencies .....	133,844	52,148	25,140	0	23,877	0	25,721	1,024	4,963	971
Fiscal year 1969:										
Total, all agencies .....	15,640,888	3,501,201	8,703,088	427,098	1,529,218	722,033	364,247	240,723	102,175	51,105
Department of Agriculture .....	260,066	190,274	588	0	61,529	0	1,338	0	62	6,275
Department of Commerce .....	72,054	57,821	8,358	0	1,750	57	804	71	2,824	369
Department of Defense .....	7,696,253	1,867,298	5,156,534	13,900	262,953	143,933	85,397	152,751	572	12,915
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	1,297,441	243,380	60,465	174	695,010	10,644	178,725	24,906	55,477	28,660
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	207,620	123,427	37,824	2,041	23,843	20	6,231	0	14,228	6
Dept of Transportation <sup>1</sup> .....	231,844	56,678	137,986	0	6,089	1,325	2,899	4,052	22,815	0
Dept of Veterans Affairs .....	50,207	49,237	345	0	394	0	3	0	228	0
Atomic Energy Commission .....	1,405,944	17,048	373,082	407,176	101,387	441,433	10,864	54,068	244	642
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,963,306	820,940	2,895,395	3,507	125,101	100,115	17,163	468	0	617
Nat'l Science Foundation .....	273,790	15,010	1,549	0	212,625	24,506	17,264	2,679	0	157
Other agencies .....	182,363	60,088	30,962	300	38,537	0	43,559	1,728	5,725	1,464
Fiscal year 1970:										
Total, all agencies .....	15,338,937	4,079,314	7,770,131	430,703	1,475,564	751,126	444,851	247,439	99,581	40,228
Department of Agriculture .....	281,157	208,355	1,304	0	64,796	0	1,196	0	12	5,494
Department of Commerce .....	121,571	88,163	17,713	0	4,487	0	1,169	3	8,459	1,577
Department of Defense .....	7,360,368	2,221,072	4,523,600	15,088	216,282	139,906	78,977	154,763	483	10,197
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	1,220,975	246,583	43,653	0	646,606	8,031	184,371	27,735	48,357	15,639
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	156,806	99,299	26,338	1,372	18,521	0	2,540	97	8,633	6
Dept of Transportation <sup>1</sup> .....	327,808	43,941	239,633	0	10,860	1,468	7,212	1,498	23,196	0
Dept of Veterans Affairs .....	58,612	57,304	270	0	518	0	50	0	470	0
Atomic Energy Commission .....	1,345,989	17,466	300,022	409,649	100,326	448,001	9,719	59,881	244	681
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,799,946	988,048	2,516,247	4,294	131,231	126,785	30,974	979	0	1,388
Nat'l Science Foundation .....	288,978	13,900	2,805	0	227,960	25,668	15,945	847	89	1,764
Other agencies .....	376,727	95,183	98,546	300	53,977	1,267	112,698	1,636	9,638	3,482

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1971:										
Total, all agencies	15,542,512	4,228,291	7,587,515	480,150	1,644,574	728,867	458,786	210,216	141,051	63,062
Department of Agriculture	304,902	226,515	519	0	71,879	0	800	0	363	4,826
Department of Commerce	143,711	92,352	26,765	0	15,989	35	1,637	0	6,008	925
Department of Defense	7,509,036	2,275,503	4,629,102	7,459	210,897	141,979	81,473	151,348	15	11,260
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	1,476,071	297,463	54,749	0	761,745	7,155	216,484	27,295	76,380	34,800
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	191,516	109,629	40,187	1,383	21,066	0	4,605	796	13,632	218
Dept of Transportation <sup>1</sup>	497,204	91,975	357,993	2	9,587	6,140	2,113	6,988	22,338	68
Dept of Veterans Affairs	62,901	61,138	406	0	870	0	308	0	179	0
Atomic Energy Commission	1,302,926	16,801	265,550	465,616	93,906	432,287	8,221	19,741	204	600
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	3,257,927	909,065	2,073,552	3,131	134,039	109,194	26,751	402	0	1,793
Nat'l Science Foundation	336,942	19,362	3,530	2,559	266,570	31,527	7,841	1,855	2,930	768
Other agencies	459,376	128,488	135,162	0	58,026	550	108,553	1,791	19,002	7,804
Fiscal year 1972:										
Total, all agencies	16,495,895	4,589,200	7,716,047	529,897	1,903,546	760,559	514,893	215,437	206,706	59,610
Department of Agriculture	349,573	251,482	739	0	87,486	0	612	0	396	8,858
Department of Commerce	187,259	115,889	33,191	0	23,789	0	4,754	0	8,750	886
Department of Defense	8,318,145	2,569,265	5,107,689	6,320	216,754	147,514	115,580	144,640	0	10,383
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	1,751,112	327,649	85,275	0	915,901	9,210	249,868	25,868	111,896	25,445
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	218,722	127,479	49,550	752	25,420	152	4,698	0	9,799	872
Dept of Transportation <sup>1</sup>	310,505	57,425	191,421	0	13,336	772	6,642	9,532	31,377	0
Dept of Veterans Affairs	69,087	67,321	368	0	886	0	512	0	0	0
Atomic Energy Commission	1,297,668	16,274	216,303	514,955	84,505	438,089	10,611	16,140	144	647
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	3,157,237	927,297	1,957,239	2,493	119,001	123,969	22,585	3,794	0	859
Nat'l Science Foundation	454,840	17,859	4,690	4,777	362,481	40,434	16,300	5,568	795	1,936
Other agencies	381,747	111,260	69,582	600	53,987	419	82,731	9,895	43,549	9,724
Fiscal year 1973:										
Total, all agencies	16,800,153	4,762,157	7,731,267	582,376	1,916,604	725,310	578,184	183,057	256,841	64,357
Department of Agriculture	366,522	260,327	1,780	0	94,251	0	434	0	611	9,119
Department of Commerce	190,600	114,214	33,345	0	23,840	0	4,930	0	10,048	4,223
Department of Defense	8,404,214	2,674,967	5,137,954	2,449	203,716	138,195	98,295	131,304	13	17,321
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	1,837,578	370,320	89,063	0	929,575	1,070	298,775	1,354	126,820	20,601
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	243,746	146,018	44,656	696	23,759	0	16,567	0	11,252	798
Dept of Transportation <sup>1</sup>	310,640	51,054	173,078	0	18,782	4,591	8,462	9,256	45,059	358
Dept of Veterans Affairs	74,271	71,809	316	0	1,304	0	817	0	0	25
Atomic Energy Commission	1,363,196	15,786	200,004	572,549	82,742	464,184	8,633	18,592	215	491
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	3,060,887	893,332	1,957,845	2,803	111,355	77,799	12,808	3,382	1,253	310
Nat'l Science Foundation	479,893	18,380	6,825	3,529	374,486	38,848	32,697	70	2,188	2,870
Other agencies	468,606	145,950	86,401	350	52,794	623	95,766	19,099	59,382	8,241
Fiscal year 1974:										
Total, all agencies	17,410,128	4,910,901	7,752,337	592,827	2,213,957	789,136	672,224	199,324	214,369	65,053
Department of Agriculture	378,706	273,958	798	0	94,781	0	486	196	616	7,871
Department of Commerce	180,585	117,499	38,130	0	19,816	0	2,132	100	2,257	651
Department of Defense	8,420,386	2,630,645	5,173,244	947	197,351	152,769	110,406	140,952	13	14,059
Department of Energy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare	2,290,114	401,591	142,300	0	1,207,672	3,962	387,668	2,959	120,513	23,449
Dept of Hlth & Human Svcs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior	192,427	132,961	28,538	0	21,948	0	579	0	7,280	1,121
Dept of Transportation <sup>1</sup>	369,789	66,853	204,705	0	21,542	3,620	7,254	12,629	52,465	721
Dept of Veterans Affairs	84,805	82,934	277	0	1,128	0	441	0	0	25
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	1,488,903	30,016	263,855	552,328	93,953	498,950	26,043	21,882	477	1,399
Nat'l Aero & Space Admin	3,002,172	993,387	1,784,853	448	98,904	83,267	38,589	637	452	1,635
Nat'l Science Foundation	556,413	53,615	14,716	2,905	389,356	44,522	37,318	4,289	4,008	5,684
Other agencies	445,828	127,442	100,921	36,199	67,506	2,046	61,308	15,680	26,288	8,438

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1975:										
Total, all agencies .....	19,038,818	5,353,962	8,423,242	703,652	2,411,432	935,076	702,342	219,918	227,618	61,576
Department of Agriculture .....	420,082	302,533	1,635	0	108,162	0	221	101	457	6,973
Department of Commerce .....	215,382	138,971	33,835	0	21,604	73	8,752	38	11,701	408
Department of Defense .....	9,012,472	2,733,565	5,640,281	1,442	203,441	161,488	114,447	146,699	7	11,102
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	2,397,458	456,273	121,632	25,800	1,279,176	4,765	367,137	4,469	111,440	26,766
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	303,329	180,050	66,864	0	28,737	218	296	239	25,360	1,565
Dept of Transportation <sup>1</sup> .....	311,563	58,042	161,911	0	25,840	2,638	5,312	10,322	46,467	1,031
Dept of Veterans Affairs .....	94,807	92,462	321	0	1,112	0	887	0	0	25
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	2,047,306	66,073	501,588	629,163	131,858	629,518	46,861	38,418	3,269	558
Nat'l Aero & Space Admin .....	3,064,413	1,042,718	1,791,797	41	108,046	89,255	28,139	1,609	325	2,483
Nat'l Science Foundation .....	595,021	49,478	17,744	2,227	434,868	40,143	41,603	3,360	1,854	3,744
Other agencies .....	576,985	233,797	85,634	44,979	68,588	6,978	88,687	14,663	26,738	6,921
Fiscal year 1976:										
Total, all agencies .....	20,779,658	5,768,719	9,340,294	813,844	2,551,801	1,061,115	708,583	231,038	231,165	73,099
Department of Agriculture .....	462,449	332,952	524	0	119,646	0	385	68	708	8,166
Department of Commerce .....	228,853	149,019	28,206	150	27,883	658	8,463	382	14,043	49
Department of Defense .....	9,654,722	2,891,116	6,018,840	81,730	240,453	156,347	110,495	145,618	0	10,123
Department of Energy .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth, Ed, & Welfare .....	2,583,563	493,405	138,279	35,990	1,365,034	5,847	400,044	4,648	110,955	29,361
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	333,198	211,446	65,167	0	26,399	661	0	378	28,757	390
Dept of Transportation <sup>1</sup> .....	294,500	63,113	158,710	0	14,800	2,354	3,624	10,999	40,804	96
Dept of Veterans Affairs .....	97,679	95,945	490	0	1,049	0	195	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	2,463,809	73,661	758,261	640,138	145,109	754,381	48,501	39,075	3,562	1,121
Nat'l Aero & Space Admin .....	3,446,830	1,168,321	2,042,054	0	118,886	83,625	28,446	3,072	501	1,925
Nat'l Science Foundation .....	609,256	64,860	15,369	2,127	436,588	45,446	33,774	2,338	3,295	5,459
Other agencies .....	604,799	224,881	114,394	53,709	55,954	11,796	74,656	24,460	28,540	16,409
Fiscal year 1977:										
Total, all agencies .....	23,450,377	6,011,680	10,717,226	1,112,720	2,905,475	1,313,148	800,024	263,875	238,044	88,185
Department of Agriculture .....	546,963	392,878	6,610	0	140,059	0	246	173	1,017	5,980
Department of Commerce .....	244,721	170,923	24,908	0	26,714	1,198	8,230	223	12,031	494
Department of Defense .....	10,963,351	3,081,233	6,997,332	109,415	273,335	215,478	108,510	162,833	121	15,094
Department of Energy .....	3,536,220	137,341	1,205,559	920,408	188,184	941,145	40,882	76,787	15,163	10,751
Dept of Hlth, Ed, & Welfare .....	2,823,297	554,659	144,037	23,284	1,504,925	6,316	460,268	2,701	90,501	36,606
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	314,682	217,232	37,813	0	26,194	0	50	202	32,084	1,107
Dept of Transportation <sup>1</sup> .....	354,604	88,284	164,473	0	20,000	719	8,088	10,552	62,154	334
Dept of Veterans Affairs .....	107,001	104,092	1,064	0	1,080	0	625	0	140	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,170,789	944,849	2,002,435	0	117,543	78,284	24,185	1,461	369	1,663
Nat'l Science Foundation .....	697,019	79,506	15,271	397	510,876	47,768	35,631	527	3,572	3,471
Other agencies .....	691,730	240,683	117,724	59,216	96,565	22,240	113,309	8,416	20,892	12,685
Fiscal year 1978:										
Total, all agencies .....	25,845,137	6,810,422	11,399,984	1,242,482	3,374,631	1,311,945	998,178	315,917	268,410	123,168
Department of Agriculture .....	621,282	417,781	7,074	0	186,370	0	268	0	1,042	8,747
Department of Commerce .....	283,665	178,278	32,166	0	35,707	161	19,890	189	17,008	266
Department of Defense .....	11,553,638	3,349,729	7,316,452	99,012	383,225	85,035	109,845	186,518	1,181	22,641
Department of Energy .....	4,244,827	317,675	1,415,716	1,033,729	240,074	1,064,822	48,070	102,512	10,922	11,307
Dept of Hlth, Ed, & Welfare .....	3,207,254	685,856	143,308	31,456	1,702,293	8,312	501,113	1,888	94,304	38,724
Dept of Hlth & Human Svcs .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Interior .....	358,974	215,695	69,644	193	36,040	352	3,599	0	33,185	266
Dept of Transportation <sup>1</sup> .....	408,250	109,304	191,399	0	18,800	210	10,252	11,325	66,960	0
Dept of Veterans Affairs .....	113,991	111,899	0	0	1,294	0	798	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,333,260	1,046,120	2,042,893	0	127,198	77,763	33,491	881	963	3,951
Nat'l Science Foundation .....	748,775	83,355	22,092	1,674	537,168	53,474	41,218	870	4,301	4,623
Other agencies .....	971,221	294,730	159,240	76,418	106,462	21,816	229,634	11,734	38,544	32,643

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1979:										
Total, all agencies .....	28,145,142	7,417,528	12,172,401	1,318,096	3,888,844	1,488,266	1,026,490	368,734	310,121	154,662
Department of Agriculture .....	663,025	455,467	4,699	0	199,772	0	322	0	1,279	1,486
Department of Commerce .....	309,359	196,853	35,914	0	33,227	378	19,175	0	23,439	373
Department of Defense .....	12,506,225	3,743,873	7,695,290	114,541	438,098	121,029	118,969	211,655	126	62,644
Department of Energy .....	4,638,766	361,892	1,547,875	1,084,351	260,090	1,169,291	57,032	139,666	15,098	3,471
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	3,504,880	728,882	151,437	29,148	1,941,917	11,158	526,249	1,845	82,729	31,515
Department of the Interior .....	405,778	249,948	66,896	0	42,981	645	4,312	281	40,426	289
Dept of Transportation <sup>1</sup> .....	370,089	110,277	184,128	0	19,901	340	16,319	0	39,124	0
Dept of Veterans Affairs .....	127,004	123,829	0	0	2,947	0	228	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,578,404	1,031,731	2,269,462	0	138,699	92,984	36,269	380	1,410	7,469
Nat'l Science Foundation .....	807,925	63,206	16,334	1,997	616,676	67,364	40,061	176	1,293	818
Other agencies .....	1,233,687	351,570	200,366	88,059	194,536	25,077	207,554	14,731	105,197	46,597
Fiscal year 1980:										
Total, all agencies .....	29,830,432	7,632,333	12,969,145	1,408,062	4,263,432	1,533,309	1,105,568	441,836	265,542	211,205
Department of Agriculture .....	687,586	457,178	5,721	0	216,405	0	293	0	1,098	6,891
Department of Commerce .....	342,549	225,506	33,597	0	47,804	491	13,370	163	20,750	868
Department of Defense .....	13,981,012	3,796,486	9,022,449	91,641	495,314	149,141	114,365	254,881	156	56,579
Department of Energy .....	4,753,688	473,598	1,377,006	1,166,157	285,014	1,185,210	58,487	171,635	22,403	14,178
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	3,780,221	820,155	180,925	32,569	2,075,627	11,426	547,557	689	83,693	27,580
Department of the Interior .....	411,258	242,071	73,962	0	41,868	307	4,274	322	47,623	831
Dept of Transportation <sup>1</sup> .....	361,230	113,471	161,778	0	28,200	3,710	15,910	0	38,161	0
Dept of Veterans Affairs .....	133,400	131,800	0	0	1,600	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,234,088	964,781	1,923,641	0	157,673	96,956	48,597	602	1,179	40,659
Nat'l Science Foundation .....	881,792	75,113	16,305	1,754	684,919	58,890	41,757	265	1,351	1,438
Other agencies .....	1,263,608	332,174	173,761	115,941	229,008	27,178	260,958	13,279	49,128	62,181
Fiscal year 1981:										
Total, all agencies .....	33,103,924	8,425,745	14,867,893	1,413,894	4,465,755	1,790,977	1,068,781	525,231	222,211	323,437
Department of Agriculture .....	773,958	511,360	8,845	0	242,717	0	2,309	0	3,719	5,008
Department of Commerce .....	327,925	236,755	13,549	50	45,979	690	10,472	94	19,591	745
Department of Defense .....	16,508,649	4,280,707	10,825,900	105,480	572,877	185,835	138,137	318,907	212	80,594
Department of Energy .....	4,918,225	450,813	1,331,154	1,154,747	300,460	1,399,914	65,574	184,020	4,482	27,061
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	3,927,141	872,268	161,312	27,925	2,184,925	14,996	560,738	1,720	74,503	28,754
Department of the Interior .....	427,105	273,794	62,010	58	39,355	1,631	3,635	308	45,593	721
Dept of Transportation <sup>1</sup> .....	415,539	122,355	193,202	0	28,491	4,000	22,375	0	45,116	0
Dept of Veterans Affairs .....	144,400	142,303	0	0	2,097	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,593,155	1,043,805	2,096,328	0	171,308	79,008	98,830	650	119	103,107
Nat'l Science Foundation .....	961,564	106,472	29,558	1,664	702,139	71,169	46,623	108	1,618	2,213
Other agencies .....	1,106,263	385,113	146,035	123,970	175,407	33,734	120,088	19,424	27,258	75,234
Fiscal year 1982:										
Total, all agencies .....	36,432,589	9,141,030	17,192,224	1,506,426	4,605,472	1,976,671	1,091,651	520,573	184,265	214,277
Department of Agriculture .....	797,274	531,448	2,501	100	254,970	105	3,041	0	3,033	2,076
Department of Commerce .....	336,278	241,757	20,493	0	51,266	952	14,245	101	7,170	294
Department of Defense .....	20,622,574	5,139,164	13,794,516	148,314	663,615	226,248	188,533	384,995	155	77,034
Department of Energy .....	4,708,158	175,611	1,450,741	1,193,779	277,083	1,438,696	46,093	113,789	927	11,439
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	3,940,745	946,408	122,963	28,963	2,175,914	18,793	560,222	329	60,519	26,634
Department of the Interior .....	381,074	260,976	28,876	310	34,114	57	2,505	230	53,570	436
Dept of Transportation <sup>1</sup> .....	310,083	75,654	155,067	0	18,633	3,975	17,859	0	38,895	0
Dept of Veterans Affairs .....	137,300	134,994	220	0	1,646	0	440	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,077,859	1,165,551	1,432,593	0	185,630	182,519	104,511	417	2,446	4,192
Nat'l Science Foundation .....	975,327	118,254	25,421	2,405	714,978	72,050	39,908	295	1,239	777
Other agencies .....	1,145,917	351,213	158,833	132,555	227,623	33,276	114,294	20,417	16,311	91,395

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1983:										
Total, all agencies	38,711,537	10,581,919	17,019,728	1,501,193	4,966,438	2,393,881	1,241,563	581,272	186,019	239,524
Department of Agriculture	847,605	559,080	1,623	0	274,962	65	2,640	0	2,436	6,799
Department of Commerce	334,992	251,789	22,102	0	50,626	834	2,901	0	6,354	386
Department of Defense	22,992,789	6,400,769	14,541,130	129,397	723,966	388,246	285,867	466,263	78	57,073
Department of Energy	4,536,682	257,549	1,044,995	1,217,890	296,971	1,564,141	49,001	92,389	4,426	9,320
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	4,352,530	1,033,872	126,225	33,612	2,428,625	20,274	616,894	3,651	65,220	24,157
Department of the Interior	382,473	274,061	20,884	3,050	28,576	40	683	40	54,162	977
Dept of Transportation <sup>1</sup>	347,728	75,570	179,642	88	23,096	6,626	23,159	0	39,486	61
Dept of Veterans Affairs	161,400	158,662	0	0	800	0	1,938	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	2,661,579	1,134,436	901,847	0	189,357	305,120	97,289	495	2,872	30,163
Nat'l Science Foundation	1,061,990	130,756	26,062	1,768	783,102	74,689	41,644	50	1,730	2,189
Other agencies	1,031,769	305,375	155,218	115,388	166,357	33,846	119,547	18,384	9,255	108,399
Fiscal year 1984:										
Total, all agencies	42,224,865	11,572,315	18,610,379	1,608,438	5,546,902	2,485,820	1,497,252	597,086	130,917	175,756
Department of Agriculture	866,171	588,554	3,104	0	261,015	120	1,752	0	1,410	10,216
Department of Commerce	358,226	256,348	38,624	0	50,230	597	5,607	0	6,520	300
Department of Defense	25,372,870	7,257,189	15,966,819	110,029	830,154	261,559	436,537	472,945	70	37,568
Department of Energy	4,673,578	215,592	904,472	1,364,573	320,825	1,714,317	46,030	104,408	425	2,936
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	4,830,693	1,066,127	175,887	33,106	2,755,615	20,234	677,553	2,985	63,956	35,230
Department of the Interior	410,877	334,106	19,947	2,900	38,911	0	1,797	64	12,846	306
Dept of Transportation <sup>1</sup>	448,335	176,188	188,150	321	12,908	12,306	25,183	60	33,191	28
Dept of Veterans Affairs	190,300	189,138	0	0	500	0	662	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	2,821,900	1,043,278	1,120,182	0	203,846	350,255	89,419	399	3,825	10,696
Nat'l Science Foundation	1,202,820	135,848	33,637	1,109	880,219	90,214	59,648	163	1,099	883
Other agencies	1,049,095	309,947	159,557	96,400	192,679	36,218	153,064	16,062	7,575	77,593
Fiscal year 1985:										
Total, all agencies	48,359,565	12,945,444	21,704,865	1,790,792	6,339,720	2,816,413	1,699,249	689,190	129,380	244,512
Department of Agriculture	942,979	627,821	5,388	0	293,197	55	5,181	0	1,691	9,646
Department of Commerce	398,759	279,514	37,789	0	52,471	480	14,442	1,502	11,088	1,473
Department of Defense	29,791,504	8,324,443	18,944,198	124,986	939,978	305,910	508,763	551,206	24	91,996
Department of Energy	4,966,008	223,956	799,048	1,549,007	357,451	1,847,865	65,766	118,350	2,806	1,759
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	5,451,036	1,146,720	163,838	37,008	3,203,536	24,478	768,276	6,777	69,195	31,208
Department of the Interior	391,685	342,227	5,653	5,491	34,227	195	572	30	1,607	1,683
Dept of Transportation <sup>1</sup>	428,859	137,584	205,364	151	10,262	12,359	35,833	0	27,192	114
Dept of Veterans Affairs	226,600	224,294	0	0	1,000	0	1,306	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	3,327,200	1,171,117	1,311,876	0	237,260	512,366	82,167	744	4,303	7,367
Nat'l Science Foundation	1,345,583	142,513	41,408	1,497	1,001,806	85,240	68,714	0	1,266	3,139
Other agencies	1,089,352	325,255	190,303	72,652	208,532	27,465	148,229	10,581	10,208	96,127
Fiscal year 1986:										
Total, all agencies	51,412,364	13,534,899	24,201,180	1,697,021	6,558,797	2,767,653	1,676,991	551,188	128,383	296,252
Department of Agriculture	928,528	629,637	10,089	0	273,533	165	5,678	0	1,226	8,200
Department of Commerce	399,166	284,902	34,839	0	60,638	1,768	4,485	0	11,575	959
Department of Defense	32,937,939	8,880,526	21,502,381	145,536	1,097,778	285,017	494,049	435,700	40	96,912
Department of Energy	4,688,304	205,850	738,219	1,455,133	344,611	1,797,344	39,130	101,953	683	5,381
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	5,657,604	1,235,503	186,551	33,416	3,283,428	26,280	792,295	3,557	71,148	25,426
Department of the Interior	385,219	332,038	9,739	3,850	36,440	0	332	0	1,927	893
Dept of Transportation <sup>1</sup>	385,474	131,321	188,412	196	12,520	7,695	20,926	0	24,361	43
Dept of Veterans Affairs	186,200	184,582	0	0	1,000	0	618	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	3,419,800	1,217,343	1,276,774	0	254,027	542,407	101,127	589	4,383	23,150
Nat'l Science Foundation	1,353,335	129,922	69,141	2,105	991,694	81,428	76,308	0	1,226	1,511
Other agencies	1,070,795	303,275	185,035	56,785	203,128	25,549	142,043	9,389	11,814	133,777

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**

[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1987:										
Total, all agencies .....	55,253,693	13,413,064	26,768,186	1,859,963	7,337,252	3,209,624	1,711,417	510,644	148,244	295,299
Department of Agriculture .....	947,858	649,046	5,322	0	279,733	210	5,043	0	1,113	7,391
Department of Commerce .....	402,240	320,248	32,094	0	36,578	257	8,685	0	4,287	91
Department of Defense .....	35,231,532	8,335,950	23,933,618	324,593	1,016,978	737,478	335,502	399,674	51	147,688
Department of Energy .....	4,757,202	247,880	652,750	1,474,607	386,467	1,839,046	57,209	96,036	123	3,084
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	6,606,289	1,292,874	248,353	8,450	3,953,330	30,077	947,845	4,426	84,299	36,635
Department of the Interior .....	403,834	354,602	9,918	3,849	33,149	204	281	0	1,517	314
Dept of Transportation <sup>1</sup> .....	324,980	137,579	109,772	42	15,403	9,781	16,868	0	35,532	3
Dept of Veterans Affairs .....	209,500	206,825	0	0	2,251	0	424	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	3,787,072	1,413,839	1,479,327	0	293,644	475,303	102,529	565	5,041	16,824
Nat'l Science Foundation .....	1,470,505	143,319	55,927	1,701	1,096,246	88,675	82,371	0	837	1,429
Other agencies .....	1,112,681	310,902	241,105	46,721	223,473	28,593	154,660	9,943	15,444	81,840
Fiscal year 1988:										
Total, all agencies .....	56,769,425	14,114,595	26,719,194	1,911,314	7,827,691	3,473,924	1,683,211	505,587	142,123	391,786
Department of Agriculture .....	1,016,627	693,786	6,321	0	304,888	0	6,316	0	1,608	3,708
Department of Commerce .....	388,949	316,364	20,530	0	35,941	192	9,303	0	6,470	149
Department of Defense .....	35,248,856	8,879,813	23,294,621	315,686	1,071,007	828,673	223,998	397,135	264	237,659
Department of Energy .....	5,036,400	244,716	737,031	1,535,531	405,793	1,944,633	75,770	91,472	646	808
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	7,158,041	1,408,429	280,106	15,241	4,254,865	27,252	1,034,228	8,379	84,580	44,961
Department of the Interior .....	416,768	352,968	23,430	3,604	35,103	0	246	0	1,250	167
Dept of Transportation <sup>1</sup> .....	304,590	147,930	101,861	0	16,846	87	15,044	0	18,911	3,911
Dept of Veterans Affairs .....	215,300	212,500	0	0	2,300	0	500	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	4,330,358	1,335,244	1,961,867	0	337,930	559,567	112,927	790	4,681	17,352
Nat'l Science Foundation .....	1,532,773	161,993	50,071	868	1,143,436	88,618	84,682	59	1,420	1,626
Other agencies .....	1,120,763	360,852	243,356	40,384	219,582	24,902	120,197	7,752	22,293	81,445
Fiscal year 1989:										
Total, all agencies .....	61,406,484	15,024,605	28,547,918	2,056,329	8,671,966	3,497,050	1,999,854	521,952	167,429	919,381
Department of Agriculture .....	1,038,279	688,955	5,854	0	327,800	523	9,109	0	1,746	4,292
Department of Commerce .....	397,862	324,600	22,314	0	42,940	107	2,011	0	5,780	110
Department of Defense .....	37,576,887	9,295,437	24,734,377	308,885	1,188,705	686,018	198,811	391,466	3,656	769,532
Department of Energy .....	5,192,612	248,116	650,559	1,587,728	453,732	2,033,256	108,071	107,154	1,800	2,196
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	7,902,837	1,432,393	331,930	111,833	4,641,187	27,915	1,207,083	8,837	93,017	48,642
Department of the Interior .....	469,020	394,346	26,551	3,675	41,981	0	101	0	1,916	450
Dept of Transportation <sup>1</sup> .....	303,312	162,709	84,248	49	20,664	100	14,684	0	19,462	1,396
Dept of Veterans Affairs .....	234,700	231,835	0	0	2,300	0	565	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	5,393,476	1,733,436	2,425,921	0	433,665	630,070	149,406	3,083	5,773	12,122
Nat'l Science Foundation .....	1,670,396	165,746	57,111	511	1,253,713	95,270	94,647	377	1,466	1,555
Other agencies .....	1,227,103	347,032	209,053	43,648	265,279	23,791	215,366	11,035	32,813	79,086
Fiscal year 1990:										
Total, all agencies .....	63,559,471	15,848,946	29,370,021	2,326,808	9,137,543	3,449,838	2,248,184	621,640	213,878	342,613
Department of Agriculture .....	1,108,380	737,098	6,101	0	348,109	0	9,054	0	1,978	6,040
Department of Commerce .....	438,168	336,325	44,322	25	50,423	100	480	25	6,396	72
Department of Defense .....	37,268,148	9,638,968	24,443,383	418,931	1,213,412	658,452	288,508	416,126	15	190,353
Department of Energy .....	5,630,554	307,329	776,814	1,718,194	500,392	2,020,493	135,177	156,755	10,114	5,286
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	8,405,641	1,532,643	358,113	145,491	4,874,265	28,449	1,302,370	18,424	101,805	44,081
Department of the Interior .....	508,509	423,717	27,594	3,741	49,880	0	253	0	2,797	527
Dept of Transportation <sup>1</sup> .....	366,554	199,155	98,305	0	28,608	0	5,921	17,029	16,884	652
Dept of Veterans Affairs .....	237,700	235,400	0	0	2,300	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	6,533,246	1,968,411	3,284,775	0	470,746	619,257	168,154	2,402	5,152	14,349
Nat'l Science Foundation .....	1,689,535	86,255	72,145	363	1,320,920	106,087	98,048	258	3,197	2,262
Other agencies .....	1,373,036	383,645	258,469	40,063	278,488	17,000	240,219	10,621	65,540	78,991

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**

[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1991:										
Total, all agencies	61,295,152	15,138,167	26,420,584	2,168,256	10,168,539	3,603,818	2,637,402	679,417	215,072	263,897
Department of Agriculture	1,236,646	824,057	6,197	2	385,836	0	10,960	0	3,374	6,220
Department of Commerce	489,601	399,513	16,994	0	62,723	145	2,970	125	7,067	64
Department of Defense	32,134,765	8,156,841	21,033,635	316,040	1,151,852	637,260	267,332	442,334	478	128,993
Department of Energy	5,983,100	381,132	854,899	1,690,390	620,665	2,071,670	171,014	186,293	4,854	2,183
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	9,755,999	1,875,140	373,043	116,490	5,658,151	28,203	1,487,185	17,147	152,715	47,925
Department of the Interior	592,938	489,517	32,795	3,648	58,537	0	1,533	0	6,260	648
Dept of Transportation <sup>1</sup>	379,921	234,806	88,165	150	21,185	0	7,190	17,738	9,962	725
Dept of Veterans Affairs	216,600	214,300	0	0	2,300	0	0	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	7,280,239	2,112,018	3,666,972	0	533,728	736,342	212,892	1,940	4,617	11,730
Nat'l Science Foundation	1,785,223	12,975	102,806	716	1,435,505	111,305	112,296	317	2,122	7,181
Other agencies	1,440,120	437,868	245,078	40,820	238,057	18,893	364,030	13,523	23,623	58,228
Fiscal year 1992:										
Total, all agencies	65,592,590	15,582,810	29,744,837	2,117,033	10,271,239	3,855,467	2,803,559	745,642	184,115	287,888
Department of Agriculture	1,327,112	862,178	8,382	18	437,967	0	11,601	0	1,961	5,005
Department of Commerce	651,165	512,346	46,337	0	77,087	153	6,841	250	8,119	32
Department of Defense	36,129,467	8,601,344	24,107,482	335,282	1,402,672	668,287	334,550	533,482	2,940	143,428
Department of Energy	6,172,230	335,514	1,025,975	1,606,502	640,419	2,227,109	152,447	162,603	18,856	2,805
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	8,987,823	1,675,771	377,355	124,344	5,187,966	22,745	1,440,033	17,409	89,775	52,425
Department of the Interior	609,178	513,244	29,168	3,137	57,449	0	972	0	3,721	1,487
Dept of Transportation <sup>1</sup>	445,012	247,252	117,712	2,673	35,015	0	11,954	17,542	12,241	623
Dept of Veterans Affairs	223,900	221,409	0	0	2,491	0	0	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	7,657,606	2,210,336	3,765,022	0	586,299	791,023	265,181	2,205	4,969	32,571
Nat'l Science Foundation	1,868,397	10,910	44,097	434	1,540,404	124,293	141,401	338	2,715	3,805
Other agencies	1,520,700	392,506	223,307	44,643	303,470	21,857	438,579	11,813	38,818	45,707
Fiscal year 1993:										
Total, all agencies	67,314,025	16,663,337	30,219,004	1,451,326	11,208,385	3,614,191	2,811,867	753,411	320,325	272,179
Department of Agriculture	1,327,795	867,497	7,854	13	432,720	0	12,936	0	2,227	4,548
Department of Commerce	656,276	499,867	94,124	0	53,859	770	501	0	7,147	8
Department of Defense	35,849,149	8,742,340	23,654,190	201,988	1,615,851	544,677	417,697	492,113	8,038	172,255
Department of Energy	6,262,146	516,984	1,445,856	1,093,849	583,293	2,204,925	189,184	222,325	1,780	3,950
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	10,349,177	2,139,631	342,920	107,980	5,975,588	25,473	1,555,991	14,745	135,163	51,686
Department of the Interior	619,069	521,841	29,907	2,083	59,986	0	854	0	3,385	1,013
Dept of Transportation <sup>1</sup>	545,323	204,069	136,322	4,806	62,212	15,279	16,721	5,658	98,675	1,581
Dept of Veterans Affairs	236,159	233,752	0	0	2,407	0	0	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	8,019,854	2,295,170	4,112,193	0	613,742	685,258	280,276	2,198	6,265	24,752
Nat'l Science Foundation	1,881,889	18,318	74,191	453	1,561,929	118,861	102,327	330	3,167	2,313
Other agencies	1,567,188	623,868	321,447	40,154	246,798	18,948	235,380	16,042	54,478	10,073
Fiscal year 1994:										
Total, all agencies	67,235,390	16,132,078	30,454,853	1,293,494	11,796,928	3,292,933	2,936,887	735,977	325,405	266,835
Department of Agriculture	1,399,883	931,299	11,681	0	438,775	0	11,806	0	2,065	4,257
Department of Commerce	826,081	597,066	139,522	255	80,236	1,187	2,106	0	5,395	314
Department of Defense	34,553,204	8,009,559	23,408,520	115,513	1,703,439	274,947	453,432	465,991	0	121,803
Department of Energy	6,047,985	561,852	1,528,243	1,011,006	564,866	2,077,228	70,838	221,941	2,325	9,686
Dept of Hlth, Ed, & Welfare	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs	11,021,519	2,206,413	461,982	127,991	6,321,859	26,877	1,650,241	18,077	156,491	51,588
Department of the Interior	694,095	595,203	32,496	1,897	53,942	215	2,246	0	6,904	1,192
Dept of Transportation <sup>1</sup>	620,747	203,609	230,691	3,944	61,017	1,589	19,324	13,327	85,476	1,770
Dept of Veterans Affairs	247,979	245,629	0	0	2,350	0	0	0	0	0
Atomic Energy Commission	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin	8,296,247	2,271,257	4,304,780	0	641,489	771,176	255,670	7,022	7,226	37,627
Nat'l Science Foundation	2,040,358	18,068	78,822	0	1,680,208	125,648	128,818	235	3,272	5,287
Other agencies	1,487,292	492,123	258,116	32,888	248,747	14,066	342,406	9,384	56,251	33,311

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1995:										
Total, all agencies .....	68,186,798	17,024,793	30,236,111	1,201,800	11,927,548	3,561,614	2,834,133	825,071	316,483	259,245
Department of Agriculture .....	1,380,218	915,442	10,653	0	434,878	0	12,253	0	2,355	4,637
Department of Commerce .....	1,136,003	664,764	376,432	0	85,313	129	3,749	0	4,388	1,228
Department of Defense .....	33,796,302	8,619,309	22,319,252	90,173	1,588,844	248,620	380,103	461,796	1,293	86,912
Department of Energy .....	6,144,975	490,665	1,649,953	935,637	594,317	2,057,324	71,441	302,929	18,232	24,477
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	11,455,247	2,450,631	598,798	143,360	6,394,491	24,643	1,639,876	19,415	141,226	42,807
Department of the Interior .....	561,613	491,881	16,397	85	50,008	610	595	0	1,040	997
Dept of Transportation <sup>1</sup> .....	726,986	235,545	268,628	1,619	47,972	27,875	36,786	10,291	98,008	262
Dept of Veterans Affairs .....	237,860	235,360	0	0	2,500	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	9,014,944	2,253,736	4,686,599	0	708,064	1,043,913	269,069	3,771	2,944	46,848
Nat'l Science Foundation .....	2,149,277	17,343	108,611	10	1,733,512	140,883	138,209	583	4,818	5,308
Other agencies .....	1,583,373	650,117	200,788	30,916	287,649	17,617	282,052	26,286	42,179	45,769
Fiscal year 1996:										
Total, all agencies .....	67,653,047	16,540,411	30,373,817	1,136,954	11,977,750	3,447,090	2,886,768	755,172	246,739	288,346
Department of Agriculture .....	1,300,326	897,986	9,509	0	376,188	0	10,758	0	2,204	3,681
Department of Commerce .....	1,067,520	675,094	288,807	0	84,931	352	8,106	0	8,105	2,125
Department of Defense .....	34,535,389	8,140,184	23,645,789	82,264	1,446,985	251,681	366,841	496,722	13	104,910
Department of Energy .....	5,344,937	488,826	1,158,312	872,665	601,140	1,933,619	69,272	210,977	7,972	2,154
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	11,951,108	2,594,938	537,747	141,813	6,738,559	26,207	1,730,650	18,356	118,489	44,349
Department of the Interior .....	567,535	499,921	9,574	20	46,183	127	497	0	9,963	1,250
Dept of Transportation <sup>1</sup> .....	552,457	156,005	243,343	616	49,956	2,000	35,848	5,958	57,660	1,071
Dept of Veterans Affairs .....	256,075	254,355	0	0	1,720	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	8,570,100	2,257,525	4,187,613	12,364	664,507	1,090,058	269,723	4,983	3,092	80,235
Nat'l Science Foundation .....	2,188,313	19,977	106,594	0	1,739,861	129,878	178,456	1,049	4,792	7,706
Other agencies .....	1,319,287	555,600	186,529	27,212	227,720	13,168	216,617	17,127	34,449	40,865
Fiscal year 1997:										
Total, all agencies .....	69,826,779	16,718,190	31,419,278	1,128,234	12,558,953	3,701,010	2,961,569	820,963	261,072	257,510
Department of Agriculture .....	1,388,619	915,982	11,104	0	440,855	0	15,057	0	2,139	3,482
Department of Commerce .....	1,003,118	664,177	230,150	0	87,456	80	13,908	0	6,664	683
Department of Defense .....	34,788,263	8,156,257	24,096,777	93,508	1,344,739	250,754	207,049	499,903	18,348	120,928
Department of Energy .....	5,603,506	425,410	1,229,590	853,307	583,452	2,155,640	67,920	279,852	5,880	2,455
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	12,785,262	2,672,948	644,591	156,946	7,200,083	37,706	1,879,282	18,070	130,220	45,416
Department of the Interior .....	579,901	518,592	12,860	0	41,039	0	1,288	0	4,895	1,227
Dept of Transportation <sup>1</sup> .....	526,872	192,017	172,587	1,905	54,298	5,217	36,406	5,590	58,106	746
Dept of Veterans Affairs .....	252,699	252,699	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	9,327,300	2,331,826	4,766,209	4,046	719,008	1,105,958	346,009	4,606	2,377	47,261
Nat'l Science Foundation .....	2,248,520	13,688	114,388	0	1,819,113	131,260	153,652	541	5,903	9,975
Other agencies .....	1,322,719	574,594	141,022	18,522	268,910	14,395	240,998	12,401	26,540	25,337

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 1998:										
Total, all agencies .....	72,100,724	17,121,536	31,998,611	1,188,851	13,380,730	3,890,155	3,171,256	602,987	447,466	299,132
Department of Agriculture .....	1,441,046	996,442	10,858	0	415,379	0	12,489	0	1,828	4,050
Department of Commerce .....	948,578	673,838	151,933	1	106,658	27	12,260	0	3,664	197
Department of Defense .....	35,286,223	8,286,409	24,337,272	85,021	1,418,741	347,206	225,786	307,927	110,448	167,413
Department of Energy .....	5,873,804	463,220	1,286,835	918,225	623,196	2,236,172	80,301	260,471	3,374	2,010
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	13,901,663	2,809,392	920,982	163,223	7,747,082	30,182	2,021,194	20,511	147,530	41,567
Department of the Interior .....	531,969	460,832	14,031	0	47,974	0	731	0	7,336	1,065
Dept of Transportation <sup>1</sup> .....	566,117	190,793	191,093	4,337	37,879	3,427	15,319	6,231	116,476	562
Dept of Veterans Affairs .....	277,094	277,094	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	9,568,029	2,395,500	4,814,087	3,980	786,595	1,123,543	377,452	5,914	13,462	47,496
Nat'l Science Foundation .....	2,289,337	16,954	101,421	0	1,874,860	139,079	144,022	211	3,596	9,194
Other agencies .....	1,416,864	551,062	170,099	14,064	322,366	10,519	281,702	1,722	39,752	25,578
Fiscal year 1999:										
Total, all agencies .....	75,340,622	18,084,701	31,901,656	1,328,022	14,959,114	3,896,411	3,608,671	913,212	357,472	291,363
Department of Agriculture .....	1,614,133	1,082,741	18,492	0	491,788	0	13,743	0	3,589	3,780
Department of Commerce .....	990,226	713,154	158,148	100	102,057	107	10,154	3	5,500	1,003
Department of Defense .....	35,645,859	8,557,232	24,620,454	79,087	1,473,953	275,852	182,852	358,362	12,958	85,109
Department of Energy .....	6,009,730	578,474	977,777	1,074,617	630,253	2,139,007	87,031	515,828	4,411	2,332
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	15,914,736	3,128,215	983,349	152,395	8,983,122	37,073	2,457,891	19,631	104,210	48,850
Department of the Interior .....	641,542	568,307	15,788	0	47,839	0	1,674	0	6,001	1,933
Dept of Transportation <sup>1</sup> .....	666,950	215,582	213,591	850	52,577	1,001	13,635	5,140	163,915	659
Dept of Veterans Affairs .....	339,088	339,088	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	9,525,693	2,370,206	4,565,426	875	786,596	1,285,951	386,289	8,035	11,108	111,207
Nat'l Science Foundation .....	2,506,031	21,421	89,179	75	2,076,356	153,054	146,481	752	5,342	13,371
Other agencies .....	1,486,634	510,281	259,452	20,023	314,573	4,366	308,921	5,461	40,438	23,119
Fiscal year 2000:										
Total, all agencies .....	72,863,318	17,149,790	27,735,107	1,100,867	16,821,011	4,053,157	4,211,247	1,231,465	224,004	336,670
Department of Agriculture .....	1,746,848	1,151,605	17,150	0	553,604	0	18,010	0	2,991	3,488
Department of Commerce .....	1,036,631	755,205	161,742	0	100,526	100	11,758	25	7,071	204
Department of Defense .....	33,167,025	8,086,844	22,229,004	116,006	1,606,124	285,201	250,872	382,255	6,104	204,615
Department of Energy .....	6,063,064	481,308	915,011	763,368	667,998	2,345,662	96,546	787,719	3,497	1,955
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	18,425,903	3,302,976	1,316,932	208,086	10,365,090	51,548	2,949,653	32,714	129,999	68,905
Department of the Interior .....	579,911	507,549	14,267	0	47,233	0	1,290	0	7,809	1,763
Dept of Transportation <sup>1</sup> .....	467,388	175,164	208,767	3,140	40,857	14,702	12,796	5,190	6,322	450
Dept of Veterans Affairs .....	341,664	341,664	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	6,881,900	1,720,475	2,644,272	165	845,071	1,196,805	421,245	5,124	8,140	40,603
Nat'l Science Foundation .....	2,725,512	18,415	115,475	0	2,265,158	151,985	148,454	4,778	9,177	12,070
Other agencies .....	1,427,472	608,585	112,487	10,102	329,350	7,154	300,623	13,660	42,894	2,617

See explanatory information, if any, and SOURCE at end of table.

**Table B. Federal obligations for total research and development, by major agency and performer: fiscal years 1951-2002**  
[Dollars in thousands]

Fiscal year and agency	Total	Intramural	Industrial firms excluding FFRDCs	FFRDCs admin by industrial firms	Univs & colleges excluding FFRDCs	FFRDCs admin by univs & colleges	Nonprofit institutions excluding FFRDCs	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Fiscal year 2001 (preliminary):										
Total, all agencies .....	80,898,068	18,719,512	30,323,346	1,446,191	19,614,909	4,367,755	4,818,288	1,117,203	256,566	234,298
Department of Agriculture .....	1,979,945	1,256,720	20,522	0	677,600	0	18,692	0	2,991	3,420
Department of Commerce .....	1,112,429	865,328	99,150	0	112,038	0	22,889	25	12,809	190
Department of Defense .....	36,333,517	8,753,501	24,125,618	195,390	2,218,905	287,522	300,354	358,575	3,643	90,009
Department of Energy .....	6,711,939	571,853	1,131,682	996,123	711,745	2,502,736	85,505	697,153	12,968	2,174
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	21,355,050	3,711,510	1,616,175	239,503	12,027,632	59,332	3,425,175	37,653	158,797	79,273
Department of the Interior .....	623,700	538,392	10,983	0	64,110	0	1,325	0	7,839	1,051
Dept of Transportation <sup>1</sup> .....	609,124	190,361	309,182	6,995	57,020	12,902	22,011	4,291	5,058	1,304
Dept of Veterans Affairs .....	350,228	350,228	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	7,220,900	1,805,225	2,743,488	165	845,071	1,331,089	441,995	5,124	8,140	40,603
Nat'l Science Foundation .....	3,015,278	20,312	130,579	0	2,504,484	167,458	163,746	5,259	10,143	13,297
Other agencies .....	1,585,958	656,082	135,967	8,015	396,304	6,716	336,596	9,123	34,178	2,977
Fiscal year 2002 (preliminary):										
Total, all agencies .....	80,645,451	18,285,234	29,814,961	1,397,383	20,198,874	4,213,818	5,090,898	1,118,941	269,265	256,077
Department of Agriculture .....	1,805,885	1,268,154	14,103	0	500,878	0	16,339	0	2,991	3,420
Department of Commerce .....	1,111,554	911,338	74,158	0	109,123	142	10,028	118	6,456	191
Department of Defense .....	34,235,264	7,898,702	23,473,760	212,052	1,615,304	272,417	257,988	400,459	2,855	101,727
Department of Energy .....	6,321,757	510,113	1,078,839	894,975	643,622	2,481,784	49,603	649,778	11,505	1,538
Dept of Hlth, Ed, & Welfare .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Hlth & Human Svcs .....	23,815,897	4,133,710	1,710,296	270,371	13,528,578	66,979	3,806,924	42,506	167,120	89,413
Department of the Interior .....	564,391	497,449	12,171	0	45,179	0	700	0	7,692	1,200
Dept of Transportation <sup>1</sup> .....	584,951	213,797	261,945	5,700	49,045	12,050	20,956	5,268	15,015	1,175
Dept of Veterans Affairs .....	360,237	360,237	0	0	0	0	0	0	0	0
Atomic Energy Commission .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy Rsch & Dvlpmt Admin .....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Aero & Space Admin .....	7,259,400	1,814,850	2,900,730	165	845,071	1,199,693	444,352	5,124	8,140	41,275
Nat'l Science Foundation .....	3,017,080	20,331	130,327	0	2,506,157	167,638	163,901	5,265	10,150	13,311
Other agencies .....	1,569,035	656,553	158,632	14,120	355,917	13,115	320,107	10,423	37,341	2,827

<sup>1</sup> The Department of Transportation (DOT) did not become operational until 1967. Prior to 1966, similar obligations appear under DOT's organizational predecessors: the Federal Aviation Agency; the U.S. Coast Guard (formerly part of the Department of the Treasury); the Bureau of Public Roads; the Office of Transportation Research and Development; and other components of the Department of Commerce vested with transportation functions.

**KEY:** FFRDCs = Federally funded research and development centers  
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year, or that the agency or subagency did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002